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ABSTRACT OF THE DISCLOSURE

**METHOD AND SYSTEM FOR PAGE INITIALIZATION
USING OFF-LEVEL WORKER THREAD**

10 A method, an apparatus, and a computer program
product are presented for memory page initialization
operations. After an application thread attempts to
reference a memory page, an exception or fault may be
generated, and a physical memory page is allocated. The
15 application thread is put to sleep, and a page
initialization request is given to a kernel off-level
worker thread, after which the interrupt-level processing
is concluded. During the normal course of execution for
the worker thread, the worker thread recognizes the page
20 initialization request, and the worker thread initializes
the newly allocated page by zeroing the page or by
copying the contents of a source page to the newly
allocated page, as appropriate. The worker thread then
puts the application thread into a runnable state.